

at1121exam_practice EXAMPLE! DO NOT HAND IN FOR CREDIT (v12)

- If you are looking for a practice exam that you can hand in for credit:

<https://chadworley.github.io/algtwo2026/u04/1121/at1121exam/at1121exam.html>

Question 1

Simplify the radical expressions.

$$\sqrt{27}$$

$$\sqrt{45}$$

$$\sqrt{99}$$

Question 2

Find all solutions to the equation below:

$$4(x + 8)^2 + 9 = 73$$

Question 3

By completing the square, find both solutions to the given equation. *You must show work for full credit!*

$$x^2 - 10x = -16$$

Question 4

A quadratic polynomial function is shown below in standard form.

$$y = 2x^2 + 16x + 38$$

Express the function in **vertex form** and identify the **location** of the vertex.